

**COARSE AGGREGATE FOR USE IN MASONRY CONCRETE MGS-90-02A**

1.0 DESCRIPTION. These specifications cover coarse aggregate meeting the requirements specified herein, for use in masonry concrete.

1.1 Unless otherwise stated, specification section references are from the version, in effect at the time of this order, of the Missouri Standard Specifications for Highway Construction and its supplements.

2.0 ORDERING.

2.1 Coarse aggregate ordered under this specification is to be purchased by the ton, with measurement to be made as set forth elsewhere in this specification.

2.2 The bidder shall designate in the bid submittal, the type and gradation of material to be furnished.

3.0 MATERIALS.

3.1 General. Coarse aggregate may be crushed limestone or gravel from an approved source.

3.2 Coarse aggregate shall meet the applicable quality requirements of Section 1005 for masonry aggregate and shall also meet the following gradation requirements for gradations E or F. Gravel may also be furnished meeting the following Gradation G.

| <u>Gradation E</u> | <u>Percent</u> |
|-----------------------------|----------------|
| Passing 3/4-inch sieve..... | 100 |
| Passing 1/2-inch sieve..... | 80-100 |
| Passing 3/8-inch sieve..... | 40-70 |
| Passing No. 4 sieve..... | 0-10 |
| Passing No. 10 sieve..... | 0-3 |

| <u>Gradation F</u> | <u>Percent</u> |
|-----------------------------|----------------|
| Passing 1/2-inch sieve..... | 100 |
| Passing 3/8-inch sieve..... | 85-100 |
| Passing No. 4 sieve..... | 10-30 |
| Passing No. 8 sieve..... | 0-10 |
| Passing No. 16 sieve..... | 0-5 |

| <u>Gradation G</u> | <u>Percent</u> |
|-----------------------------|----------------|
| Passing 3/4-inch sieve..... | 100 |
| Passing 1/2-inch sieve..... | 90-100 |
| Passing 3/8-inch sieve..... | 80-100 |
| Passing No. 4 sieve..... | 0-20 |
| Passing No. 8 sieve..... | 0-10 |
| Passing No. 200 sieve..... | 0-2 |

4.0 METHOD OF MEASUREMENT. Measurement will be made by weight in accordance with Sec 310. Deduction will be made for any moisture in excess of 2 percent of the dry weight of the material as determined by the engineer at the time of shipment. After deduction for excess moisture has been made, measurement will be made to the nearest ton for the total tonnage of material accepted.

5.0 INSPECTION AND ACCEPTANCE. Inspection and acceptance of the material will be during manufacture prior to shipment in accordance with the Standard Specifications.